

### **Hillside NWR, Bald Eagle Survey - 2002**

Date: January 7, 2002

Route: Hillside and Morgan Brake NWR's surveyed. Route used was the same route used for the annual mid-winter waterfowl survey (the same route used in previous years).

Weather: Partly cloudy sky conditions. Morning low was 20-25 degrees F. Afternoon high was 35-40 degrees F.

Comments: One immature Bald Eagle observed over the Hillside Turkey Point Unit.

One adult Bald Eagle observed in the tree line on the north side of the Morgan Brake Blockaway Unit.

### **Hillside NWR, Bald Eagle Survey - 2001**

Date: January 2, 2001

Route: Hillside and Morgan Brake NWR's surveyed. Route used was the same route used for the annual mid-winter waterfowl survey (the same route used in previous years).

Weather: Partly cloudy to mostly cloudy sky conditions. Morning low was 15 - 20 degrees F. Afternoon high was 25 - 30 degrees F.

Comments: No Bald Eagles were observed on Hillside NWR.

Two Bald Eagles (one adult and one immature) were observed over the catfish ponds on Morgan Brake Refuge. The rest of Morgan Brake Refuge was covered in ice and the catfish ponds had the only remaining open water. An estimated 56,327 waterfowl were using the catfish ponds on the day of the Bald Eagle Survey.

### **Hillside NWR, Bald Eagle Survey - 2000**

**Date:** January 4, 2000

**Route:** Hillside and Morgan Brake NWR's surveyed. Route used was the same route used for the annual mid-winter waterfowl survey.

**Weather:** Cloudy sky conditions with light rain in the morning hours. Temperature in the lower to mid 40's F. Wind 10-15 mph. Water is present on both refuges, but is below normal levels.

**Comments:** One Bald Eagle was observed in the tree line on the north side of the Blockaway farm unit on Morgan Brake NWR. No other eagles were observed during the survey. Waterfowl, numbering 1000 to over 15,000, are utilizing the rice fields on the Blockaway farm unit in the evening hours and may be attracting the Bald Eagle to this location.

A Bald Eagle was observed near the Hillside NWR shop on December 21 and a second Bald Eagle was observed on the north side of the Blockaway farm unit on Morgan Brake NWR on December 22.

# Bald Eagle Survey — ~~16/99~~ 01/04/2000

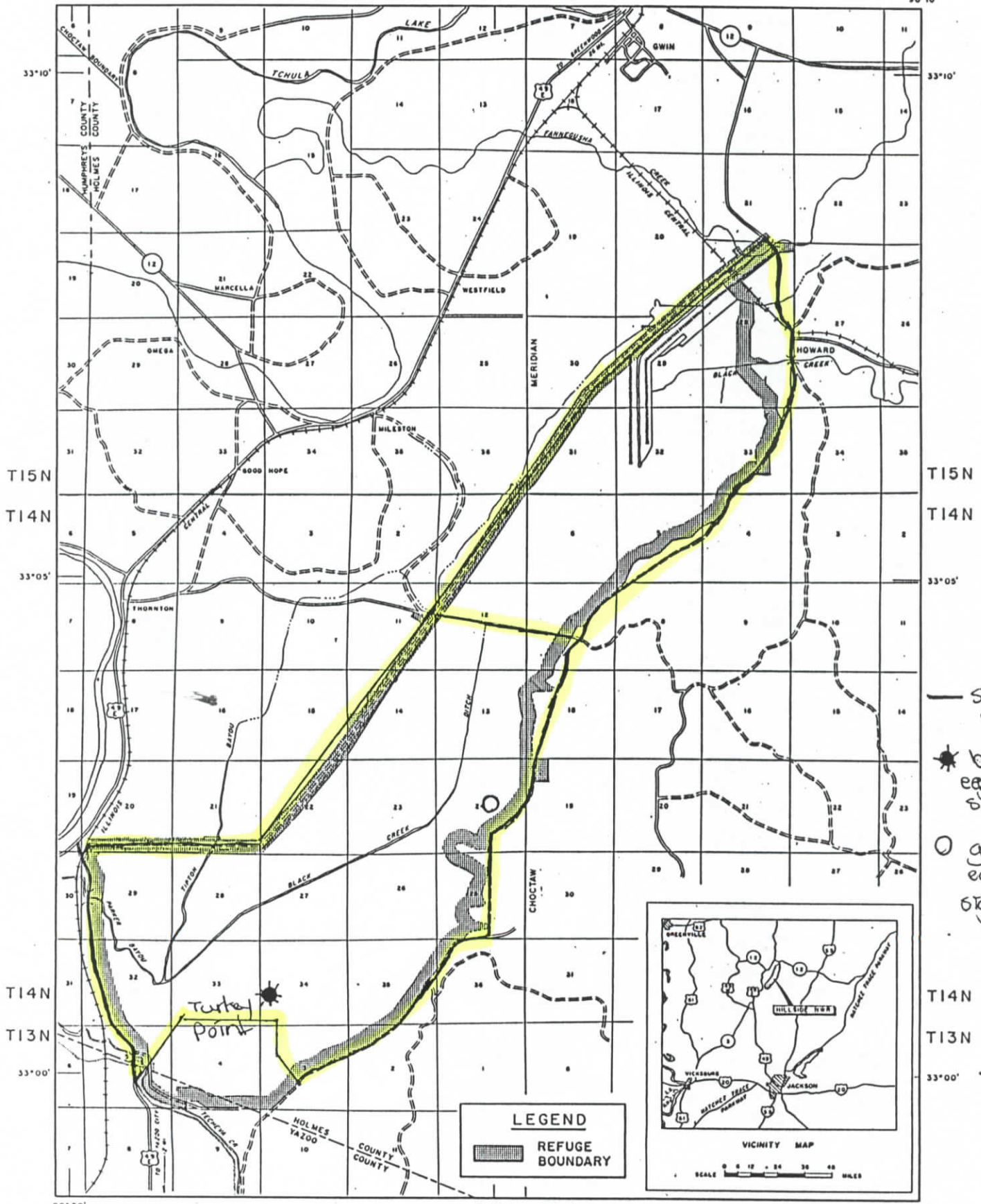
## HILLSIDE NATIONAL WILDLIFE REFUGE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
90°20'

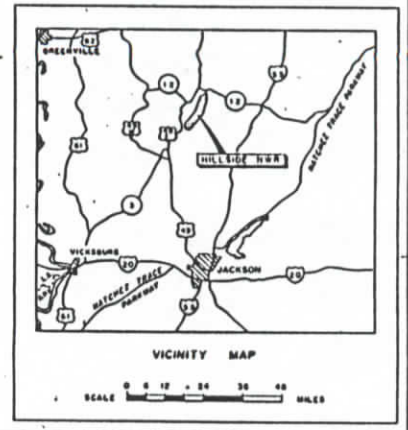
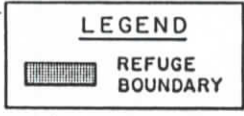
HOLMES AND YAZOO COUNTIES, MISSISSIPPI

UNITED STATES  
FISH AND WILDLIFE SERVICE  
90°10'

RIW RIE



— Sunset  
★ bald eagle sighting  
○ golden eagle sighting



COMPILED IN THE DIVISION OF REALTY  
FROM SURVEYS BY U.S.G.S., CORPS OF  
ENGINEERS, AND AERIAL PHOTOGRAPHS

RIW RIE  
CHOCTAW MERIDIAN

0 2000 4000 8000 12000 16000 FEET  
0 1/4 1/2 3/4 1 1 1/2 2 MILES

MEAN DECLINATION  
1975

ATLANTA, GEORGIA JANUARY, 1975

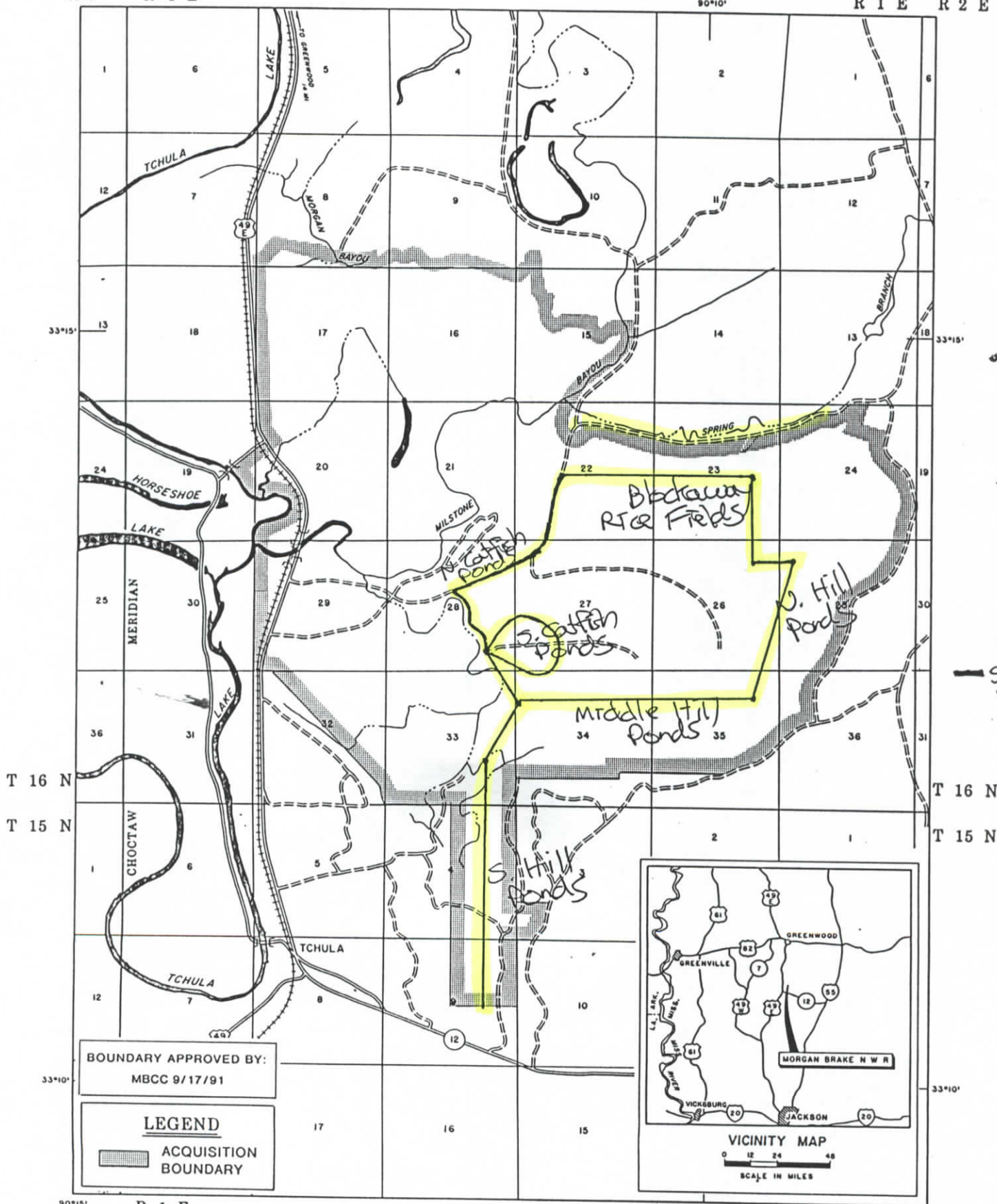
# Bald Eagle Survey - ~~1/6/99~~ 01/04/2000

## MORGAN BRAKE NATIONAL WILDLIFE REFUGE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
90°15' R 1 E

HOLMES COUNTY, MISSISSIPPI

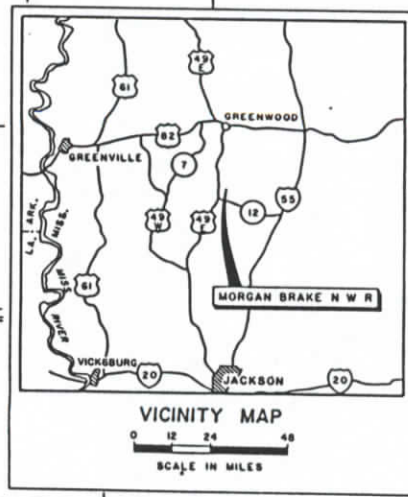
UNITED STATES  
FISH AND WILDLIFE SERVICE  
R 1 E R 2 E



BOUNDARY APPROVED BY:  
MBCC 9/17/91

### LEGEND

ACQUISITION  
BOUNDARY



90°15' R 1 E  
COMPILED IN THE DIVISION OF REALTY  
FROM SURVEYS BY U.S.G.S.

CHOCTAW MERIDIAN

0 1320 2640 5280 7920 10560 FEET  
0 1/4 1/2 1 2 MILES

90°10' R 1 E R 2 E  
TRUE NORTH  
MAGNETIC N  
MEAN DECLINATION  
1977



# Bald Eagle Survey

(see attached survey route map and summary sheet)

January 6, 1999

- \* One bald eagle seen in the Turkey Point Unit of Hillside NWR
- \* Also, one golden eagle seen in Shop Unit of Hillside NWR

(both these species have been seen in the same areas for several years in a row now)

Bald Eagle  
SUMMARY OF ~~WINTER WATERFOWL~~ SURVEY

State: MS

Dates 1/6 to 1/6, 1999

Summary and Evaluation of Waterfowl Survey:

Total Survey Units 3 (Hillsdale Morgan marsh) Units Surveyed 2 (Hillsdale Morgan).

Narrative: (Describe weather, flooding, drought, delays and other factors affecting the survey.)

weather just below freezing to mid-40's. much of shallow water frozen the 2-3 days prior

water levels normal

cloud cover sunny & clear, little or no clouds

Unusual Concentrations: none

\* HLD - 31.0 miles  
\* MOB - 14.5 miles

PARTICIPATION SUMMARY

Organization	No. Personnel Participating	Aircraft			Cars		Boats	
		No.	Hrs. Flown	Miles Flown	No. used	Miles driven	No. used	Miles traveled
Service	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>45.5*</u>	<u>0</u>	<u>0</u>
State	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Other	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>TOTALS</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>45.5*</u>	<u>0</u>	<u>0</u>

David A. Vail  
Signature

# Bald Eagle Survey — 1/6/99

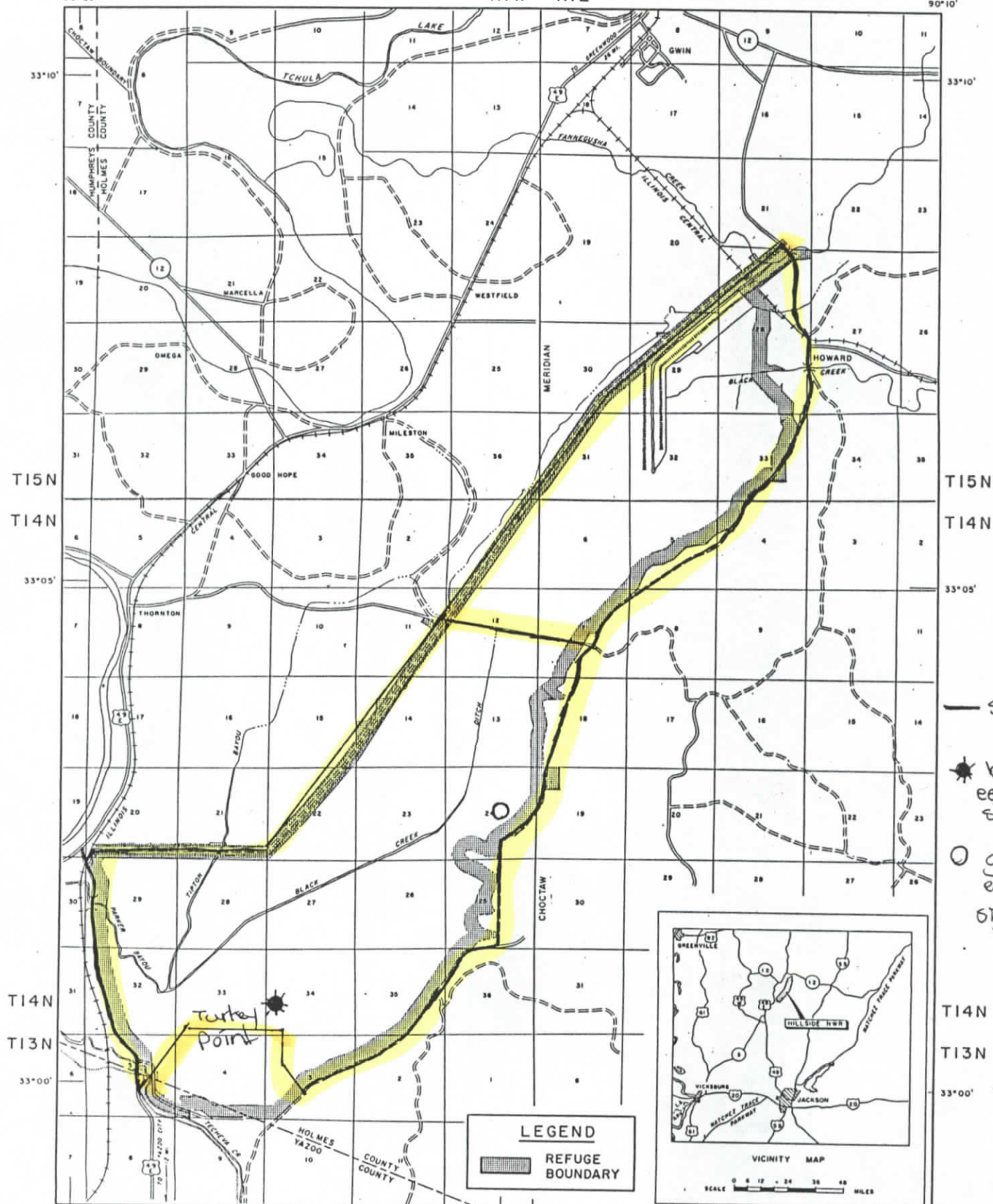
## HILLSIDE NATIONAL WILDLIFE REFUGE

HOLMES AND YAZOO COUNTIES, MISSISSIPPI

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
90°20'

UNITED STATES  
FISH AND WILDLIFE SERVICE  
90°10'

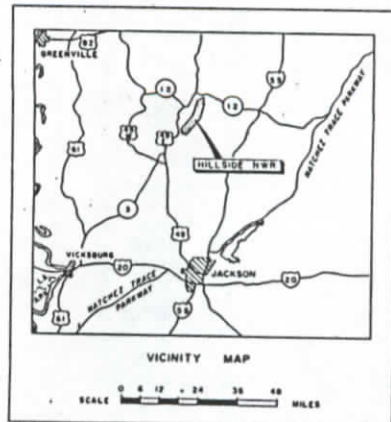
RIW RIE



— Sun  
● bald eagle sight  
○ gold eagle sight

### LEGEND

REFUGE BOUNDARY



COMPILED IN THE DIVISION OF REALTY  
FROM SURVEYS BY U.S.G.S., CORPS OF  
ENGINEERS, AND AERIAL PHOTOGRAPHS

ATLANTA, GEORGIA JANUARY, 1975

RIW RIE  
CHOCTAW MERIDIAN

0 2000 4000 8000 12000 16000 FEET  
0 1/4 1/2 1 2 3 MILES

MEAN  
DECLINATION  
1975

4R-MISS-901-404



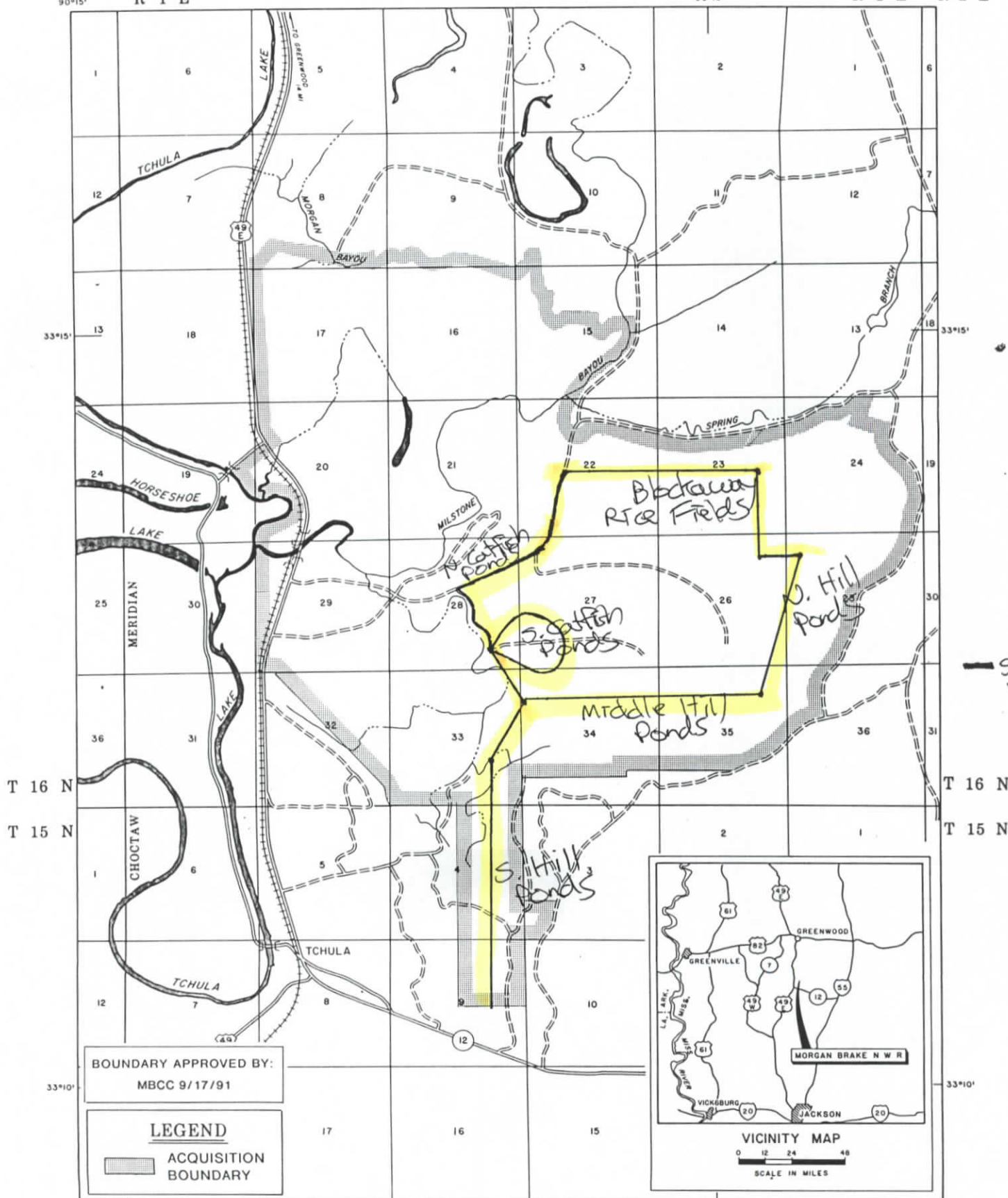
# Bald Eagle Survey - 1/6/99

## MORGAN BRAKE NATIONAL WILDLIFE REFUGE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
90°15' R 1 E

HOLMES COUNTY, MISSISSIPPI

UNITED STATES  
FISH AND WILDLIFE SERVICE  
R 1 E R 2 E



BOUNDARY APPROVED BY:  
MBCC 9/17/91

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TRUE NORTH  
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MEAN DECLINATION  
1977

ATLANTA, GEORGIA

JULY, 1977

4R MISS 925 404